US010685297B2

(12) **United States Patent**
Meyer et al.

(10) **Patent No.:** **US 10,685,297 B2**
(45) **Date of Patent:** **Jun. 16, 2020**

(54) **AUTOMATIC BOOKING OF TRANSPORTATION BASED ON CONTEXT OF A USER OF A COMPUTING DEVICE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 715 days.

(21) Appl. No.: **14/949,197**

(22) Filed: **Nov. 23, 2015**

(65) **Prior Publication Data**

US 2017/0147951 A1   May 25, 2017

(51) **Int. Cl.**
G06Q 10/02 (2012.01)
G06Q 50/14 (2012.01)

(52) **U.S. Cl.**
CPC *G06Q 10/02* (2013.01); *G06Q 50/14* (2013.01)

(58) **Field of Classification Search**
CPC G06Q 10/02; G06Q 50/14
See application file for complete search history.

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(57) **ABSTRACT**

A system is described that infers that a user will need to complete a trip and selects a transportation service that the user can use to complete the trip. The system predicts a time to request a vehicle associated with the transportation service for completing the trip such that the request has sufficiently high degree of likelihood, of causing the vehicle to arrive at a future location by a final departure time; the final departure time being a latest time at which the user is predicted to need to begin traveling. Responsive to determining that a current time is within a threshold amount of time of the predicted time, the system sends, to a reservation system associated with the transportation service, a reservation request for the vehicle associated with the transportation service for completing the trip.

18 Claims, 7 Drawing Sheets